



SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Armstrong, Marcy E.
Keys, Robert D.
Lewis, John A.
Liu, Margaret A.
McClements, William L.
- (ii) TITLE OF INVENTION: A POLYNUCLEOTIDE HERPES VIRUS
VACCINE
- (iii) NUMBER OF SEQUENCES: 15
- (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Merck & Co., Inc.
(B) STREET: P.O. Box 2000, 126 E. Lincoln Ave.
(C) CITY: Rahway
(D) STATE: NJ
(E) COUNTRY: USA
(F) ZIP: 07065-0907
- (v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Diskette
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM: Windows
(D) SOFTWARE: FastSEQ for Windows Version 2.0b
- (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: 09/835,699
(B) FILING DATE: 16-April-2001
(C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: PCT/US97/17262
(B) FILING DATE: 26-SEP-1997
- (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/720,758
(B) FILING DATE: 01-OCT-1996
- (viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Hand, J. Mark
(B) REGISTRATION NUMBER: 36,545
(C) REFERENCE/DOCKET NUMBER: 19258CC
- (ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: 732-594-3905
(B) TELEFAX: 732-594-4720
(C) TELEX:
- (2) INFORMATION FOR SEQ ID NO:1:
- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 23 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

09835699-081701

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(ii) MOLECULE TYPE: Other
(ix) FEATURE:
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(A) NAME/KEY: Other
(B) LOCATION: 1...23
(D) OTHER INFORMATION: nucleic acid

(A) NAME/KEY:
(B) LOCATION: 1...23
(D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEO ID NO:1:

CTATATAAGC AGAGCTCGTT TAG

23

(2) INFORMATION FOR SEO ID NO:2:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 30 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

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(ii) MOLECULE TYPE: Other
(ix) FEATURE:
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(A) NAME/KEY: Other
(B) LOCATION: 1...30
(D) OTHER INFORMATION: nucleic acid

(A) NAME/KEY:
(B) LOCATION: 1...30
(D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

GTAGCAAAGA TCTAAGGACG GTGACTGCAG

30

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 38 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

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(ii) MOLECULE TYPE: Other
(ix) FEATURE:
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(A) NAME/KEY: Other
(B) LOCATION: 1...38
(D) OTHER INFORMATION: nucleic acid

(A) NAME/KEY:
(B) LOCATION: 1...38
(D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

GTATGTGTCT GAAAATGAGC GTGGAGATTG GGCTCGCA

38

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 39 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

- (A) NAME/KEY: Other
- (B) LOCATION: 1...39
- (D) OTHER INFORMATION: nucleic acid
- (A) NAME/KEY:
- (B) LOCATION: 1...39
- (D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GTGCGAGCCC AATCTCCACG CTCATTTTCA GACACATAC

39

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 78 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

- (A) NAME/KEY: Other
- (B) LOCATION: 1...78
- (D) OTHER INFORMATION: nucleic acid
- (A) NAME/KEY:
- (B) LOCATION: 1...78
- (D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

GATCACCATG GATGCAATGA AGAGAGGGCT CTGCTGTGTG CTGCTGCTGT GTGGAGCAGT
CTTCGTTTCG CCCAGCGA60
78

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 78 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

- (A) NAME/KEY: Other
- (B) LOCATION: 1...78
- (D) OTHER INFORMATION: nucleic acid
- (A) NAME/KEY:

- (B) LOCATION: 1...78
- (D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

GATCTCGCTG GCGGAAACGA AGACTGCTCC ACACAGCAGC AGCACACAGC AGAGCCCTCT
CTTCATTGCA TCCATGGT

60
78

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 27 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

- (A) NAME/KEY: Other
- (B) LOCATION: 1...27
- (D) OTHER INFORMATION: nucleic acid

- (A) NAME/KEY:
- (B) LOCATION: 1...27
- (D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

GTACCTCATG AGCCACATAA TACCATG

27

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 40 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

- (A) NAME/KEY: Other
- (B) LOCATION: 1...40
- (D) OTHER INFORMATION: nucleic acid

- (A) NAME/KEY:
- (B) LOCATION: 1...40
- (D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

GGTACAAGAT CTACCATGGC TTGCAATTGT CAGTTGATGC

40

(2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 42 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other
(ix) FEATURE:

(A) NAME/KEY: Other
(B) LOCATION: 1...42
(D) OTHER INFORMATION: nucleic acid

(A) NAME/KEY:
(B) LOCATION: 1...42
(D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

CCACATAGAT CTCCATGGGA ACTAAAGGAA GACGGTCTGT TC

42

(2) INFORMATION FOR SEQ ID NO:10:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 33 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other
(ix) FEATURE:

(A) NAME/KEY: Other
(B) LOCATION: 1...33
(D) OTHER INFORMATION: nucleic acid

(A) NAME/KEY:
(B) LOCATION: 1...33
(D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

GGTACAAATA TTGGCTATTG GCCATTGCAT ACG

33

(2) INFORMATION FOR SEQ ID NO:11:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 36 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other
(ix) FEATURE:

(A) NAME/KEY: Other
(B) LOCATION: 1...36
(D) OTHER INFORMATION: nucleic acid

(A) NAME/KEY:
(B) LOCATION: 1...36
(D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

CCACATCTCG AGGAACCGGG TCAATTCTTC AGCACC

36

(2) INFORMATION FOR SEQ ID NO:12:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 38 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

- (A) NAME/KEY: Other
- (B) LOCATION: 1...38
- (D) OTHER INFORMATION: nucleic acid

- (A) NAME/KEY:
- (B) LOCATION: 1...38
- (D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

GGTACAGATA TCGGAAAGCC ACGTTGTGTC TCAAAATC

38

(2) INFORMATION FOR SEQ ID NO:13:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 37 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

- (A) NAME/KEY: Other
- (B) LOCATION: 1...37
- (D) OTHER INFORMATION: nucleic acid

- (A) NAME/KEY:
- (B) LOCATION: 1...37
- (D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

CCACATGGAT CCGTAATGCT CTGCCAGTGT TACAACC

37

(2) INFORMATION FOR SEQ ID NO:14:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 39 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

- (A) NAME/KEY: Other
- (B) LOCATION: 1...39
- (D) OTHER INFORMATION: nucleic acid

- (A) NAME/KEY:
- (B) LOCATION: 1...39

(D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:

GGTACATGAT CACGTAGAAA AGATCAAAGG ATCTTCTTG

39

(2) INFORMATION FOR SEQ ID NO:15:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 35 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: Other

(ix) FEATURE:

- (A) NAME/KEY: Other
- (B) LOCATION: 1...35
- (D) OTHER INFORMATION: nucleic acid

(A) NAME/KEY:

(B) LOCATION: 1...35

(D) OTHER INFORMATION: desc = "oligonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:

CCACATGTCG ACCCGTAAAA AGGCCGCGTT GCTGG

35